

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number  
**WO 2005/003670 A1**

(51) International Patent Classification<sup>7</sup>: **F28F 9/02**

(21) International Application Number: **PCT/JP2004/010069**

(22) International Filing Date: 8 July 2004 (08.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2003-272043	8 July 2003 (08.07.2003)	JP
2003-272057	8 July 2003 (08.07.2003)	JP
60/486,897	15 July 2003 (15.07.2003)	US
60/486,898	15 July 2003 (15.07.2003)	US

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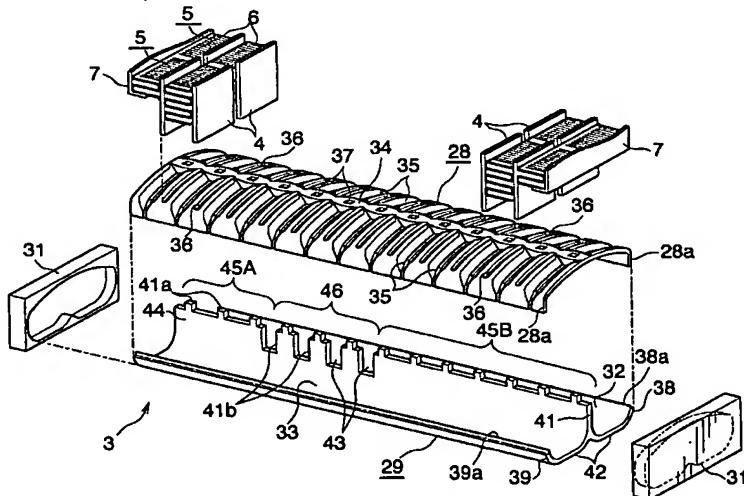
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

*[Continued on next page]*

(54) Title: HEAT EXCHANGER



(57) **Abstract:** A heat exchanger 1 comprises a refrigerant inlet-outlet tank 2, a refrigerant turn tank 3, and tube groups 5 in the form of at least two rows arranged between the two tanks 2, 3 and each comprising a plurality of heat exchange tubes 4. The refrigerant inlet-outlet tank 2 has its interior divided into a refrigerant inlet header chamber 13 and a refrigerant outlet header chamber 14. The refrigerant turn tank 3 has its interior divided by a divided flow control plate 44 into a refrigerant inflow header chamber 32 and a refrigerant outflow header chamber 33. The divided flow control plate 44 has refrigerant dam portions 45A, 45B at respective opposite end portions thereof, and a refrigerant passing portion 46 provided between the dam portions 45A, 45B and having one or at least two refrigerant passing holes 43. The heat exchanger 1 exhibits improved heat exchange performance when used as an evaporator.

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European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*